

M.Tech Information Technology						
Semester I						
S No.	Paper Code	Paper Name	Class Hours			Credit
			L	T	P	Cr. Pt.
		Theory				
1	PGIT101	Advanced Engineering Mathematics [Compulsory]	3	1	0	4
2	PGIT102	Real Time Operating System [Compulsory]	4	0	0	4
3	PGIT103	Advanced Computer Architecture [Compulsory]	4	0	0	4
4	PGIT104	Software Engg & Case Tools [Compulsory]	4	0	0	4
5	PGIT105	Elective - I A) Communication Systems B) Image Processing C) Artificial Intelligence D) VLSI Design	4	0	0	4
		Total	19	1	0	20
		Practical	L	T	P	Cr. Pt.
6	PGIT191	Real Time Operating System Laboratory [Compulsory]	0	0	3	2
7	PGIT192	College Specific Lab: A. Communication System Lab (IEM) [Other Colleges to update their specific laboratories]	0	0	3	2
		Total	0	0	6	4
		Seminar	L	T	P	Cr. Pt.
8	PGIT193	Seminar – Based on literature survey	0	2	0	1
		Total	19	3	6	25
Semester II						
S No.	Paper Code	Paper Name	Class Hours			Credit
			L	T	P	Cr. Pt.
		Theory				
1	PGIT201	Advanced DBMS [Compulsory]	4	0	0	4
2	PGIT202	Advanced Computer Network & Security [Compulsory]	4	0	0	4
3	PGIT203	Distributed Computing System [Compulsory]	4	0	0	4
4	PGIT204	Elective - II A) Web Technology B) Object Oriented Systems C) Cloud Cluster & Grid Computing D) Soft Computing E) Data Warehousing and Data Mining F) Multimedia Technology (IEM)	4	0	0	4
5	PGIT205	Elective - III A) Electronic Commerce Technology [BCRCE] B) Enterprise Resource Planning [BCRCE- Durgapur] C) Mobile Computing [BCRCE-Durgapur] D) Complex Systems [BCRCE-Durgapur] E) Design and Analysis of Algorithm (HerIT) F) Pattern Recognition [,,] G) Wireless and Mobile Communication [,,]	4	0	0	4
		Total	20	0	0	20
		Practical	L	T	P	Cr. Pt.
6	PGIT291	Elective PART 1: Java & Web Tech Lab [BCRCE-Durgapur] PART 2: Dot Net Lab [BCRCE-Durgapur]	0	0	3	2

		Advanced Computer Network & Security Lab (IEM)				
		Total	0	0	3	2
		Seminar and Viva-voice	L	T	P	Cr. Pt.
7	PGIT292	Seminar – Term paper leading to project	0	2	0	1
		Total	20	2	3	23
Semester III						
S No.	Paper Code	Paper Name	Class Hours			Credit
		Theory	L	T	P	Cr. Pt.
1	PGIT301	A: Project Management & Entrepreneurship B: Teaching & Research Methodologies	4	0	0	4
2	PGIT302	Elective - IV A) Supply Chain Management B) BioMedical Informatics C) Human Computer Interaction D) Advance JAVA and Web Technology E) Bio-Informatics F) E-Business and ERP G) Internet & Web Technology	4	0	0	4
		Total	8	0	0	8
		Seminar and Viva-voice	L	T	P	Cr. Pt.
3	PGIT391	Project – Part 1 (Dissertation I + Defence of Project - I)	0	0	18	4+8=12
		Total	8	0	18	20
Semester IV						
		Seminar and Viva-voice	L	T	P	Cr. Pt.
1	PGIT491	Project – Part 2 (Dissertation II + Defence of Project - II)	0	0	0	6+18=24
2	PGIT492	Comprehensive Viva Voice	0	0	0	4
		Total	0	0	0	28